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Title: JP10087484A2: USE OF ISOXAZOLE AND CROTONAMIDE DERIVATIVE FOR MODULATION OF APOPTOSIS

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Country: JP Japan

Kind: A

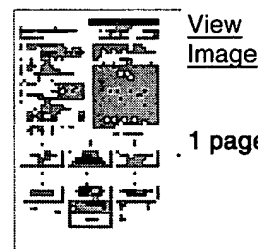
Inventor: MUELLNER STEFAN DR;  
DAX CLAUDIA DCH;Assignee: HOECHST AG  
[News, Profiles, Stocks and More about this company](#)Published /  
Filed: 1998-04-07 / 1997-07-30Application  
Number: JP1997000204344IPC Code: [A61K 31/275](#); [A61K 31/41](#); [A61K 31/42](#); [A61K 31/42](#);  
[A61K 31/42](#); [A61K 31/42](#); [A61K 31/42](#); [A61K 31/42](#);  
[A61K 31/42](#); [A61K 31/42](#); [A61K 31/435](#); [A61K 31/445](#);  
[A61K 45/00](#); [C07D 213/40](#); [C07D 213/75](#); [C07D 263/34](#);  
[C07D 413/12](#);Priority  
Number: 1996-10-01 [DE1996019640555](#)

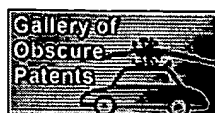
Abstract: PROBLEM TO BE SOLVED: To obtain a pharmaceutical agent capable of exhibiting modulation effect even on apoptosis by using a compound having an action to inhibit the dephosphorylation of cophylline as an active component.

SOLUTION: This agent contains at least one kind of substance selected from a compound of the formula I and/or the formula II (R1 is a 1-4C alkyl, a 3-5C cycloalkyl, etc.; R2 is CF3, O-CF3, S-CF3, OH, etc.; R3 is a 1-4C alkyl, a halogen or H; X is CH or N atom) and/or its optical steric isomer and/or its physiologically permissible salt. The compound of the formula I or II is e.g.

N-(4-trifluoromethylphenyl)-2-cyano-3-hydroxycrotonamide. The administration rate of the compound of the formula I and/or the formula II is preferably 2-250mg, especially 10-50mg. The agent is expected to be useful for the treatment of infarction, fit, transplantation, autoimmune diseases, etc.

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